

Washington State Department of Health
BRFSS Behavioral Risk Factor Surveillance System
Turning Information Into Health
Version: 1.0

BRFSS Home Questions & Responses Query Help

Year(s) 2006 2005 2004
☒ Combine Years

County(s) 001 Adams 003 Asotin 005 Benton 007 Chelan 009 Clallam
☒ WA State
☐ Combine County

Table Preview Domain 1\Analysis

Variables Question Responses

Analysis Question Group [Select Group...] Response Type
☐ Survey
☐ Collapse

Domain 1 Question Group [Select Group...] Response Type
☐ Survey
☐ Collapse

Domain 2 Question Group [Select Group...] Response Type
☐ Survey
☐ Collapse

Quick Variable Swap Swap

Output
☒ Table
☐ Technical Notes
☐ Chart

Chart Data Options
☐ Data Labels
☐ Error Bars
☒ Auto Scale

Chart Display Options
☐ Grayscale
☐ Gradient
☐ Shadow

Submit Start Over
Download Results

DOH Home
Access Washington
Privacy Notice
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Center for Health Statistics
Washington State Department of Health
101 Israel Rd SE, P.O. Box 47814
Olympia, Washington, 98504-7814

Comments or questions about this web site?
E-mail: [BRFSS_Coordinator@CHS](#)
Last Update: 02/01/2008

Getting started

Years and geography

- 1) Choose the year or years of interest

To combine years chosen, check the “Combine Years” box; otherwise results will be generated for each year chosen.

If you choose multiple years – *and they are NOT combined* – “year” automatically becomes one of the variables in the table

- 2) Choose geography of interest, i.e., state or county.
 - a) For state only check the “WA State” box.
 - b) To combine more than one county check the “Combine County” box; otherwise results will be generated for each county chosen.
 - c) If you choose multiple counties – *and NOT combined* – “county” automatically becomes one of the variables in the table.

The screenshot shows the BRFSS Web Application interface. At the top, there are logos for the Washington State Department of Health and the BRFSS (Behavioral Risk Factor Surveillance System) with the tagline 'Turning Information Into Health'. The version is 1.0.

The main navigation bar includes links for 'BRFSS Home', 'Questions & Responses', 'Query', and 'Help'. The 'Query' tab is currently selected.

Below the navigation bar, there are several sections:

- Year(s):** A dropdown menu showing 2006, 2005 (selected), and 2004. A checkbox for 'Combine Years' is checked.
- County(s):** A dropdown menu showing 'WA State' (selected) and a list of counties: 001 Adams, 003 Asotin, 005 Benton, 007 Chelan, and 009 Clallam. A checkbox for 'Combine County' is unchecked.
- Table Preview:** A section for 'Domain 1\Analysis' with a table structure.
- Variables:** A section for 'Question Responses' with a dropdown menu for 'Question Group' (circled in red) and a list of variables: 'Chronic Disease: Asthma' (selected), 'Chronic Disease: Arthritis', 'Chronic Disease: Asthma, Childhood', 'Chronic Disease: Cardiovascular Health', 'Chronic Disease: Diabetes', 'Chronic Disease: Disability', 'Chronic Disease: Mental Health', and 'Demographics'. A dropdown menu for 'Response Type' (circled in red) shows 'Survey' and 'Collapse'.
- Domain 1:** A section for 'Question Group' and 'Question' with a dropdown menu for 'Response Type' showing 'Survey' and 'Collapse'.
- Domain 2:** A section for 'Question Group' and 'Question' with a dropdown menu for 'Response Type' showing 'Survey' and 'Collapse'.

At the bottom, there are several sections:

- Quick Variable Swap:** A button labeled 'Swap'.
- Output:** A section with checkboxes for 'Table' (checked), 'Technical Notes', and 'Chart'.
- Chart Data Options:** A section with checkboxes for 'Data Labels', 'Error Bars', and 'Auto Scale'.
- Chart Display Options:** A section with checkboxes for 'Grayscale', 'Gradient', and 'Shadow'.
- Buttons:** 'Submit', 'Start Over', and 'Download Results'.

At the very bottom, there are links for 'DOH Home', 'Access Washington', 'Privacy Notice', and 'Disclaimer/Copyright Information'. There is also contact information for the 'Center for Health Statistics' and a 'Last Update' date of 02/01/2008.

Getting started

One-way table

- From the "Question Group" click the drop-down menu tab to choose topic area of interest.

For example, "Chronic Disease: Asthma"

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[BRFSS Home](#) [Questions & Responses](#) [Query](#) [Help](#)

Year(s)
☒ Combine Years
 2006
 2005
 2004

County(s)
☒ WA State
☐ Combine County
 001 Adams
 003 Asotin
 005 Benton
 007 Chelan
 009 Clallam

Table Preview
 Domain 1\Analysis

Variables

Analysis
 Question Group: Chronic Disease: Asthma
 Question: Select Question...
 Response Type: Survey
 Collapse

Domain 1
 Question Group: Ever had asthma
 Question: Still have asthma (asked if ever had asthma)
 Response Type: Survey
 Collapse

Domain 2
 Question Group:
 Question:
 Response Type: Survey
 Collapse

Quick Variable Swap
 Swap

Output
☒ Table
☐ Technical Notes
☐ Chart

Chart Data Options
☐ Data Labels
☐ Error Bars
☐ Auto Scale

Chart Display Options
☐ Grayscale
☐ Gradient
☐ Shadow

[Submit](#) [Start Over](#)
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Getting started

One-way table

- From the "Question" box click the drop-down menu tab to choose question of interest.

For example, "Asthma Status"

The screenshot shows the BRFSS Web Application interface. At the top, there are logos for Washington State Department of Health and BRFSS (Behavioral Risk Factor Surveillance System). The main navigation bar includes links for BRFSS Home, Questions & Responses, Query, and Help. The 'Query' tab is active, showing a 'Table Preview' for 'Asthma Status (3)'. Below this, the 'Variables' section is expanded, showing 'Analysis: asthmstx' and a 'Change' button circled in red. The 'Question Responses' section lists three options: '1. Current asthma', '2. Former asthma', and '3. Never had asthma'. The 'Domain 1' and 'Domain 2' sections are also visible, each with 'Question Group' and 'Question' dropdowns. At the bottom, there are sections for 'Quick Variable Swap', 'Output' (with checkboxes for Table, Technical Notes, and Chart), 'Chart Data Options' (with checkboxes for Data Labels, Error Bars, and Auto Scale), and 'Chart Display Options' (with checkboxes for Grayscale, Gradient, and Shadow). The 'Submit' and 'Start Over' buttons are circled in red. The footer contains links for DOH Home, Access Washington, Privacy Notice, and Disclaimer/Copyright Information, along with contact information for the Center for Health Statistics and a last update date of 02/01/2008.

Getting started

One-way table

Click the “**Submit**” button to generate the one-way table

or . . .

Click the “**Change**” button to pick a different question

or . . .

Click the “**Start Over**” button to start over

Note: There may be a noticeable time lag between clicking the “Submit” button and seeing the results.

For queries taking approximately 30 seconds or longer, a note will appear letting the user know that the query is being processed.

The screenshot shows the BRFSS web application interface. At the top, there are logos for Washington State Department of Health and BRFSS (Behavioral Risk Factor Surveillance System) with the tagline 'Turning Information Into Health'. The version is 1.0. Below the logos are navigation tabs: BRFSS Home, Questions & Responses, Query (selected), and Help. An 'Open Query Panel' button is also present.

Below the navigation tabs are several control panels:

- Quick Variable Swap:** A 'Swap' button.
- Output:** Checkboxes for 'Table' (checked), 'Technical Notes', and 'Chart'.
- Chart Data Options:** Checkboxes for 'Data Labels', 'Error Bars', and 'Auto Scale'.
- Chart Display Options:** Checkboxes for 'Grayscale', 'Gradient', and 'Shadow'.
- Buttons:** 'Submit', 'Start Over', and 'Download Results'.

Below these panels, there are dropdown menus for 'Year: 2005' and 'Washington State'. The main results area displays a table titled 'Asthma Status'.

Response Option	1	2	3	
ResponseText	Current asthma	Former asthma	Never had asthma	Total
sample N	2,002	941	18,139	
weighted N	379,217	202,901	3,563,669	
Mean & 95% CI	9.1% [8.6,9.7]	4.9% [4.5,5.3]	86.0% [85.3,86.6]	100%

Below the table, there is a footer section with links to 'DOH Home', 'Access Washington', 'Privacy Notice', and 'Disclaimer/Copyright Information'. It also includes contact information for the 'Center for Health Statistics' and a 'Last Update' date of 02/01/2008.

Getting started

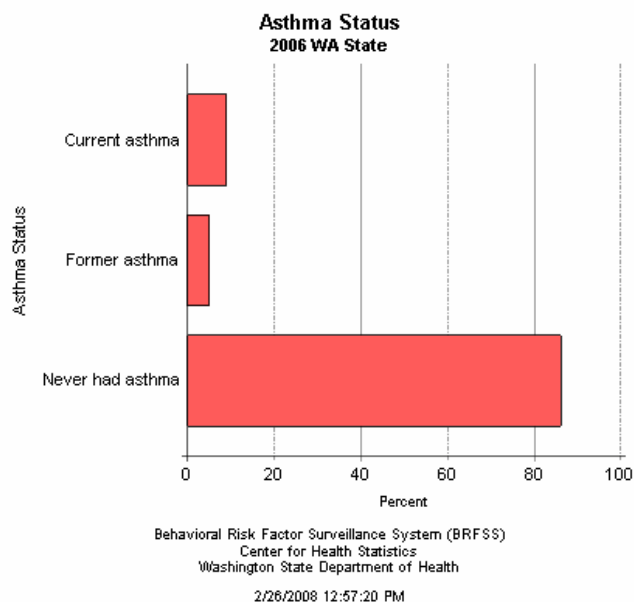
One-way table

- Results -

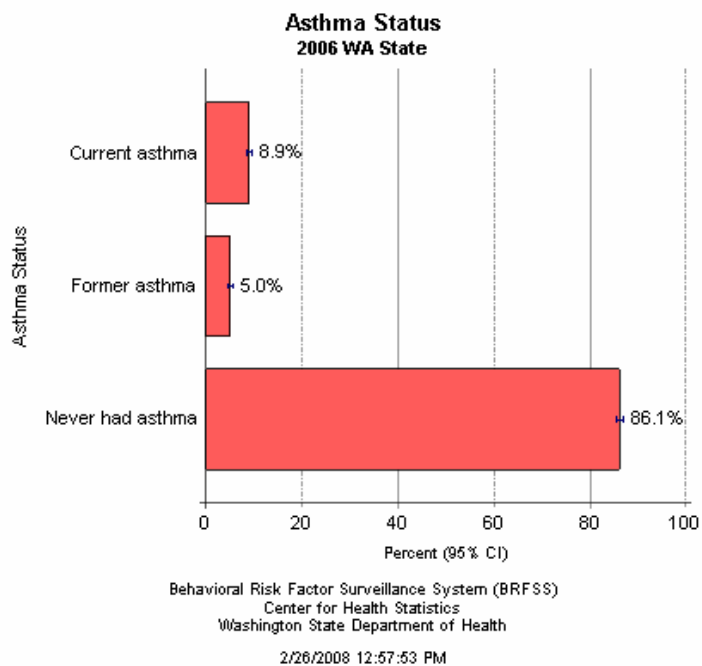
For each of the responses to the query question, the table shows:

- The number of respondents in the sample
- The weighted results based on the sample
- The mean (or average) response and the confidence intervals (CI) around the mean.

Original Chart



Modified Chart with data labels and error bars



Getting started

One-way table

- Graphing Results -

To generate a bar graph of your results, check the "Chart" box.

To view chart, simply scroll down the page.

To modify the chart or the chart display by:

- adding data labels,
- error bars (95% CI's), or
- grayscale (versus default color) setting,

check the desired options listed under "Chart Data Options" and/or under "Chart Display Options."

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BRFSS Home Questions & Responses Query Help

Year(s) 2006 2005 2004
Combine Years
County(s) 001 Adams 003 Asotin 005 Benton 007 Chelan 009 Clallam
WA State
Combine County

Table Preview

Domain 1\Analysis Asthma Status (3)

Variables

Analysis asthmstx
Question Group Chronic Disease: Asthma
Question Asthma Status
Response Type 1. Current asthma 2. Former asthma 3. Never had asthma
Survey Collapse

Domain 1 Question Group Select Group...
Chronic Disease: Diabetes
Chronic Disease: Disability
Chronic Disease: Mental Health
Chronic Disease: Asthma, Childhood
Demographics
Domain 2 Question Group Demographics: Veterans
Environment: Water Recreation
Food & Nutrition: Fish Consumption
Food & Nutrition: Fruits & Vegetables
Food & Nutrition: Meal Practices
General Health
Response Type Survey Collapse

Quick Variable Swap Swap
Output Table Technical Notes Chart
Chart Data Options Data Labels Error Bars Auto Scale
Chart Display Options Grayscale Gradient Shadow
Submit Start Over
Download Results

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Intermediate

Two- & Three-way tables

After having selected a question group and question for a one-way table, users can then select two more questions to generate a two-way or three-way table.

- 1) From "Domain 1" click the "Question Group" pull-down menu tab to choose a topic area of interest.

For example, "Demographics"

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[BRFSS Home](#) [Questions & Responses](#) **Query** [Help](#)

Year(s)
☒ Combine Years
 2006
 2005
 2004

County(s)
☒ WA State
☐ Combine County
 001 Adams
 003 Asotin
 005 Benton
 007 Chelan
 009 Clallam

Table Preview
 Domain 1\Analysis
 Asthma Status (3)

Variables

Analysis
 asthmstx
 Change

Question Group
 Chronic Disease: Asthma

Question
 Asthma Status

Response Type
☒ Survey
☐ Collapse

Question Responses
 1. Current asthma
 2. Former asthma
 3. Never had asthma

Domain 1
Question Group
 Demographics

Question
 Select Question...

Domain 2
Question Group
 Select Question...
 Age groups (5 year)
 Age Groups (to 75 and older)
 Age groups <65, 65+
 Annual Household Income
 Asian/Pacific Islander Heritage
 BMI (3 groups)
 Education
 Employment
 Gender

Quick Variable
 Swap

Options
☐ Technical Notes
☐ Chart
☐ Error Bars
☐ Auto Scale
☐ Gradient
☐ Shadow

Submit **Start Over**
 Download Results

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Intermediate

Two- & Three-way tables

- Next, from the “question” box click the drop-down menu tab to choose a question of interest.

For example, “Gender”

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BRFSS Home Questions & Responses Query Help

Year(s) ☒ Combine Years 2006 2005 2004
County(s) ☒ WA State ☐ Combine County 001 Adams 003 Asotin 005 Benton 007 Chelan 009 Clallam

Table Preview Domain 1\Analysis Asthma Status (3)
Gender (2)

Variables
Analysis asthmstx Question Group Chronic Disease: Asthma Response Type 1. Current asthma 2. Former asthma 3. Never had asthma
Change Question Asthma Status Survey Collapse

Domain 1 sex Question Group Demographics Response Type 1. Male 2. Female
Change Question Gender Survey Collapse

Domain 2 Question Group Select Group... Response Type
Question Survey Collapse

Quick Variable Swap Analysis Swap Domain 1
Output ☒ Table ☐ Technical Notes ☐ Chart
Chart Data Options ☐ Data Labels ☐ Error Bars ☐ Auto Scale
Chart Display Options ☐ Grayscale ☐ Gradient ☐ Shadow
Submit Start Over Download Results

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Intermediate

Two- & Three-way tables

- Table Preview -

As you choose two-way and three-way tables, the “Table Preview” shows how the results will be shown.

In this example, the columns will be the responses to “Asthma Status” and the rows will be “Gender.”

Percents in the two- and three-way tables are only generated for the rows. For the choices shown here, the percents of the responses for males will sum to 100%, as will the percents of the responses for females.

To switch rows and columns, click the “Swap” button.

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BRFSS Home Questions & Responses Query Help

Year(s) ☒ Combine Years 2006 2005 2004
County(s) ☒ WA State ☐ Combine County 001 Adams 003 Asotin 005 Benton 007 Chelan 009 Clallam

Table Preview Domain 2: Have any health care coverage (2)
Domain 1\Analysis Asthma Status (3)
Gender (2)

Variables Question Responses

Analysis asthmstx Question Group Chronic Disease: Asthma Response Type 1. Current asthma 2. Former asthma 3. Never had asthma
Change Question Asthma Status ☐ Survey ☐ Collapse

Domain 1 sex Question Group Demographics Response Type 1. Male 2. Female
Change Question Gender ☐ Survey ☐ Collapse

Domain 2 withplan Question Group Health Care: Insurance Response Type 1. Yes 2. No
Change Question Have any health care coverage ☐ Survey ☐ Collapse

Quick Variable Swap Domain 2 Swap Domain 1

Output ☒ Table ☐ Technical Notes ☐ Chart

Chart Data Options ☐ Data Labels ☐ Error Bars ☐ Auto Scale

Chart Display Options ☐ Grayscale ☐ Gradient ☐ Shadow

Submit Start Over Download Results

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Intermediate

Two- & Three-way tables

- 3) For a three-way table, choose a topic area and question from “Question Group” and “Question” from “Domain 2”.

For example, “Health Care: Insurance” from **Question Group**, and “Have any health care coverage” from **Question**.

Click the “Submit” button for your results.

Note: There may be a noticeable time lag between clicking the “Submit” button and seeing the results.

For queries taking approximately 30 seconds or longer, a note will appear letting the user know that the query is being processed.

Have any health care coverage: (1) Yes

Question		Asthma Status			
Response Option		1	2	3	Total
ResponseText		Current asthma	Former asthma	Never had asthma	
Gender	1 Male	sample N 451	323	6,358	
	weighted N	109,967	85,953	1,497,477	
	Mean & 95% CI	6.5% [5.7,7.3]	5.1% [4.4,5.8]	88.4% [87.4,89.5]	100%
2 Female	sample N	1,331	496	9,530	
	weighted N	215,322	85,285	1,527,123	
	Mean & 95% CI	11.8% [11.0,12.6]	4.7% [4.1,5.2]	83.6% [82.6,84.5]	100%

Have any health care coverage: (2) No

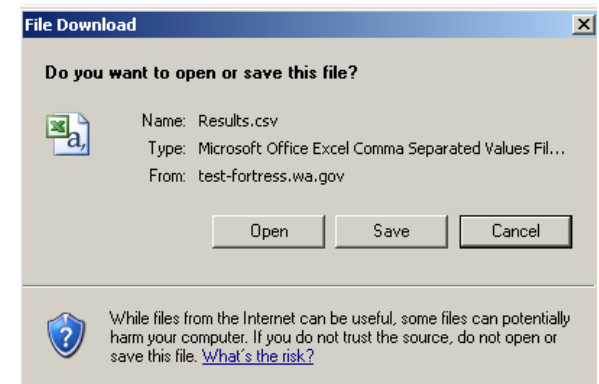
Question		Asthma Status			
Response Option		1	2	3	Total
ResponseText		Current asthma	Former asthma	Never had asthma	
Gender	1 Male	sample N 53	53	987	
	weighted N	21,333	17,705	305,453	
	Mean & 95% CI	6.2% [3.7,8.7]	5.1% [3.4,6.9]	88.7% [85.7,91.6]	100%
2 Female	sample N	164	67	1,228	
	weighted N	32,346	12,806	220,992	
	Mean & 95% CI	12.2% [9.8,14.5]	4.8% [3.2,6.4]	83.0% [80.3,85.8]	100%

Intermediate

Two- & Three-way tables

- 4) To download the results to an Excel file, click the “Download Results” button.

A pop-up window will appear asking if you want to open or save the file (see below). If you choose “open” the file will open in Excel; if you choose “save” you can open it later with Excel.



If you wish to switch the rows and columns, you can use the “swap” button.

BRFSS Turning Information Into Health
Behavioral Risk Factor Surveillance System

Version: 1.0

[BRFSS Home](#) [Questions & Responses](#) **Query** [Help](#)

[Open Query Panel](#)

Quick Variable Swap
Analysis: [Dropdown]
Swap
Domain: 1 [Dropdown]

Output
☒ Table
☐ Technical Notes
☒ **Chart**

Chart Data Options
☒ Data Labels
☒ Error Bars
☐ Auto Scale

Chart Display Options
☐ Grayscale
☐ Gradient
☐ Shadow

Submit Start Over
Download Results

Year: 2006 Washington State

Have any health care coverage: (1) Yes

Question		Ever had asthma		Total	
Response Option		1	2		
ResponseText		Yes	No		
Gender	1 Male	sample N	893	6,950	
		weighted N	237,409	1,734,273	
		Mean & 95% CI	12.0% [10.9,13.1]	88.0% [86.9,89.1]	100%
	2 Female	sample N	2,221	11,017	
		weighted N	354,679	1,779,532	
		Mean & 95% CI	16.6% [15.7,17.5]	83.4% [82.5,84.3]	100%

Have any health care coverage: (2) No

Question		Ever had asthma		Total	
Response Option		1	2		
ResponseText		Yes	No		
Gender	1 Male	sample N	123	967	
		weighted N	49,194	344,158	
		Mean & 95% CI	12.5% [9.3,15.7]	87.5% [84.3,90.7]	100%
	2 Female	sample N	221	1,263	
		weighted N	45,955	253,295	
		Mean & 95% CI	15.4% [12.7,18.0]	84.6% [82.0,87.3]	100%

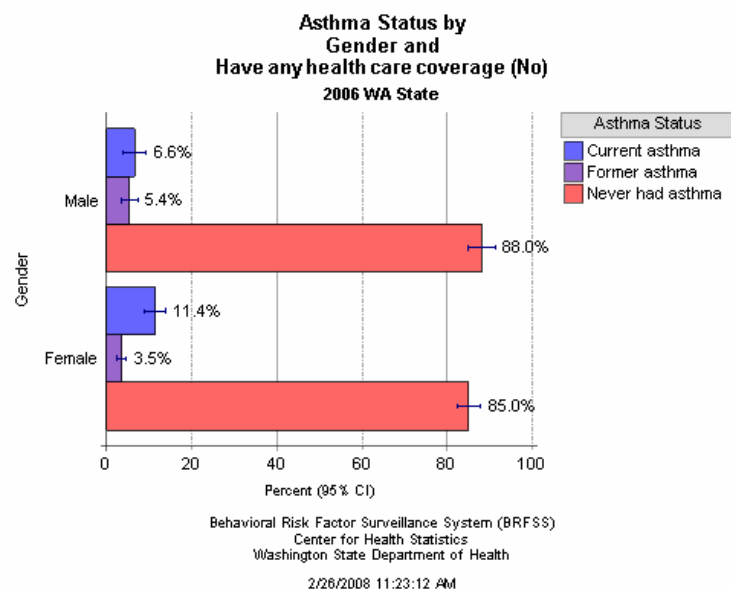
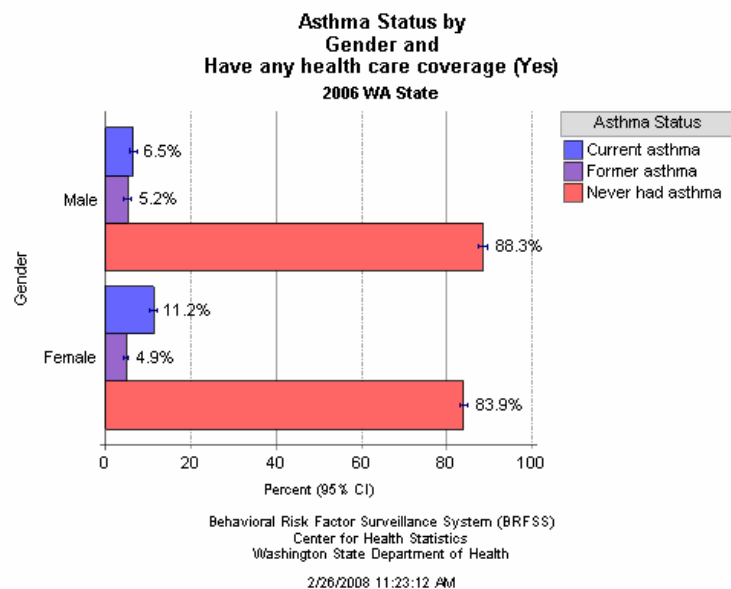
Advanced

Graphing your results

To generate a bar graph of your results, check the “Chart” box.

To modify the default chart or the chart display by, for instance, adding data labels, error bars (95% CI's), or grayscale (versus default color) setting, check the desired options listed under “Chart Data Options” and/or under “Chart Display Options.”

To view chart, simply scroll down the page.

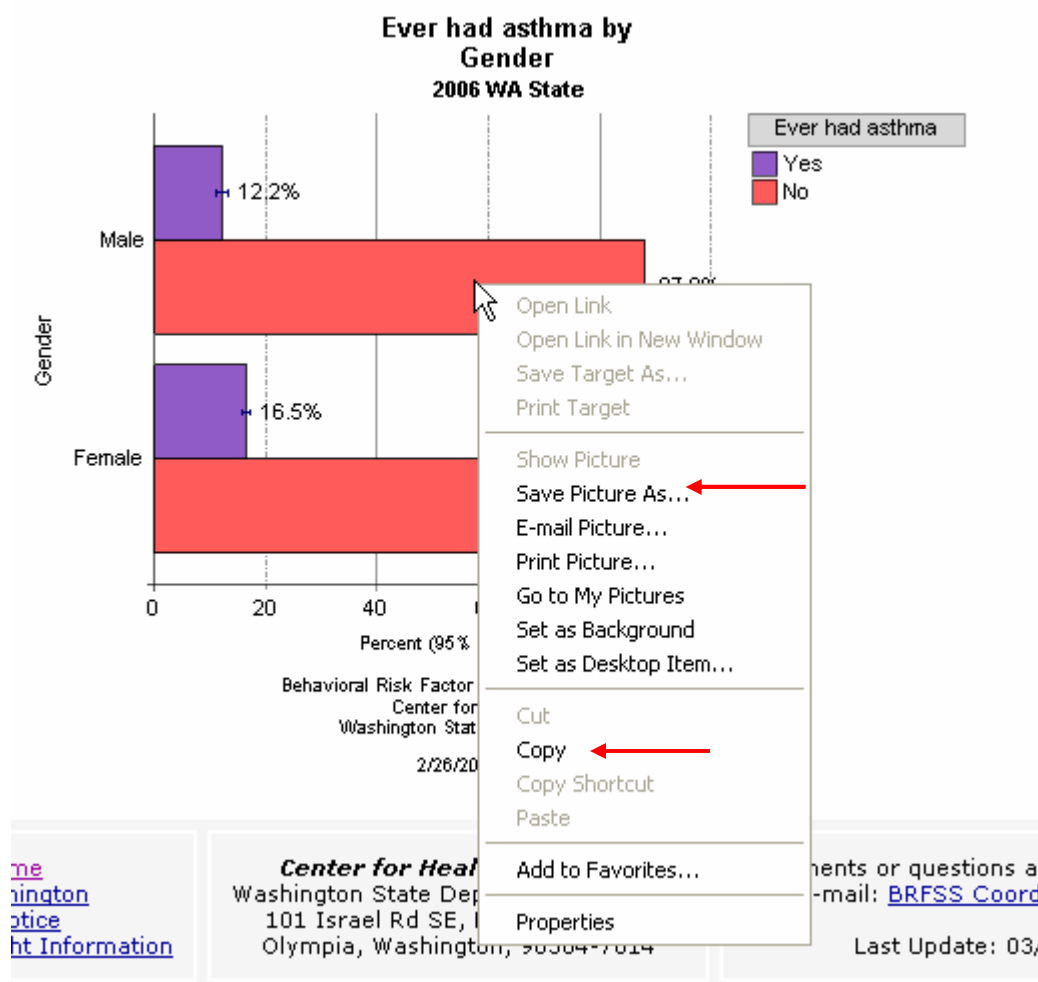


Advanced

- Graphing your results -

These charts show data labels and error bars (95% CI's). The charts use the default colors.

Note that the top chart [Have any health care coverage – (yes)] shows results for the top table.



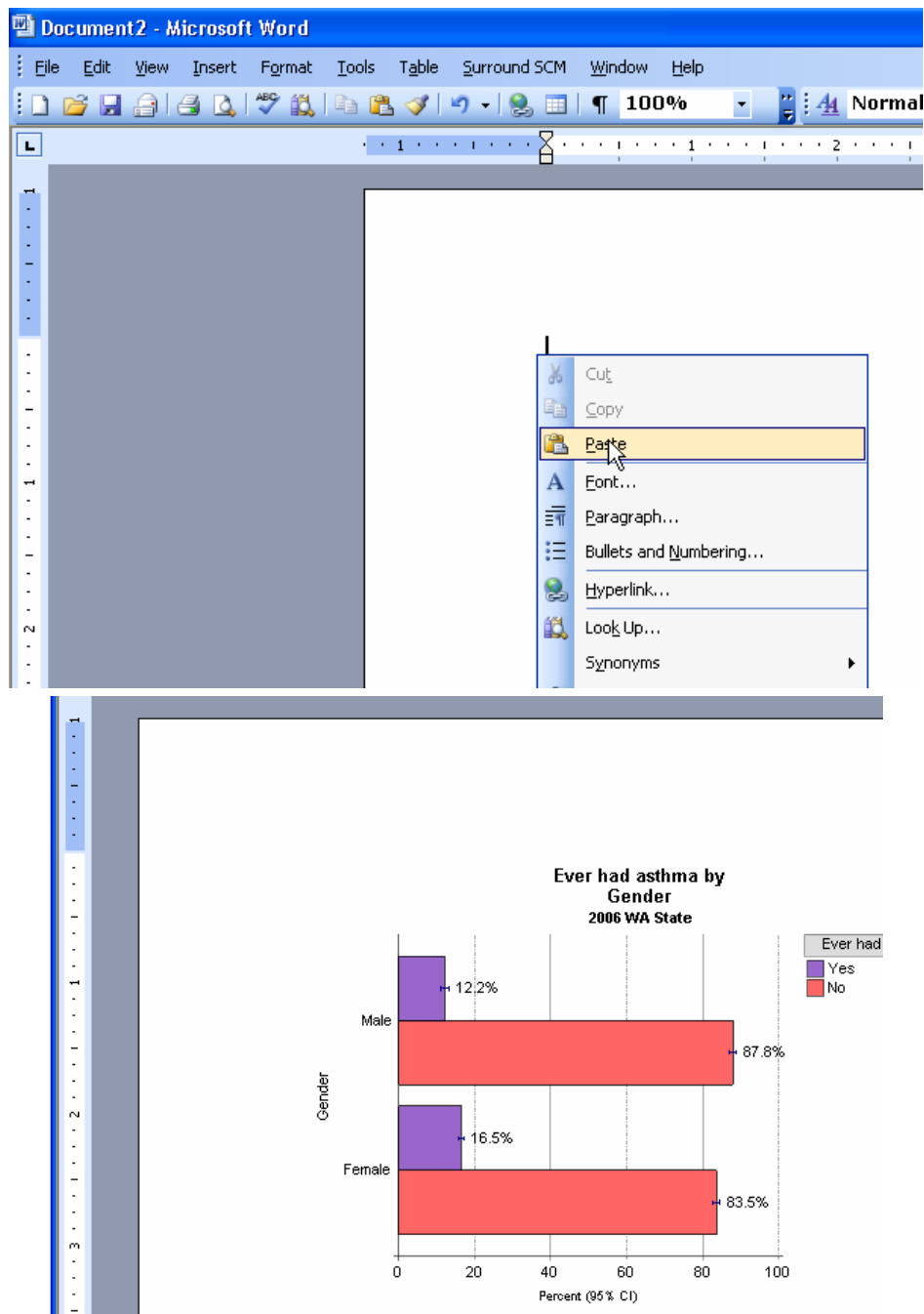
Advanced

Using your graph in another application

The chart generated is in the PNG image format. You can copy or save this image for use in another application.

To save: Right-click the image and choose “Save Picture As...” from the pop-up menu, browse to a location on your hard drive to save and provide a name.

To copy: Right-click the image and choose “Copy” from the pop-up menu, navigate to the other application and paste the image into the application.



Advanced

Using your graph in another application

Paste the image into another application, i.e. Microsoft Word.